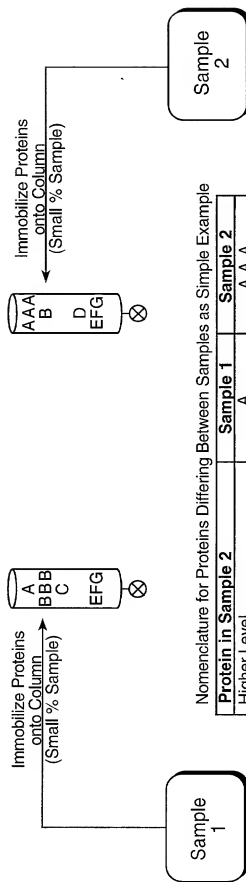


FIG. 1

Preparation of Protein Affinity Matrices



Nomenclature for Proteins Differing Between Samples as Simple Example

Protein in Sample 2	Sample 1	Sample 2
Higher Level	A	AA
Lower Level	B B	B
Not Present	C	None
Novel Species	None	D
Same Level	E F G	E F G
Not Present in Either Sample	H I J Absent	H I J Absent

Upper Case Letter is Protein, eg "A"

Lower Case Letter is Phage which binds to corresponding protein, eg "a"

FIG. 2

Capture Step One

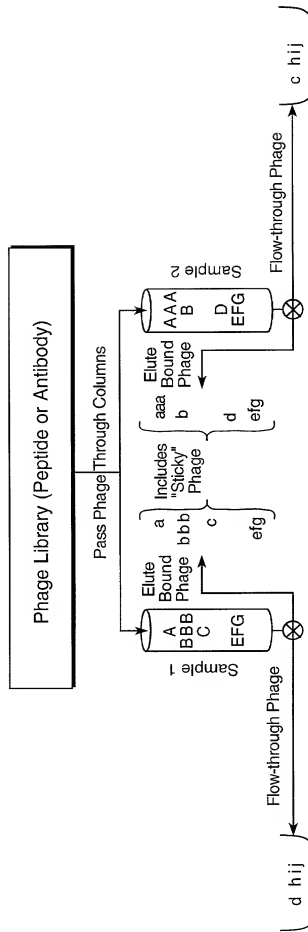


FIG. 3

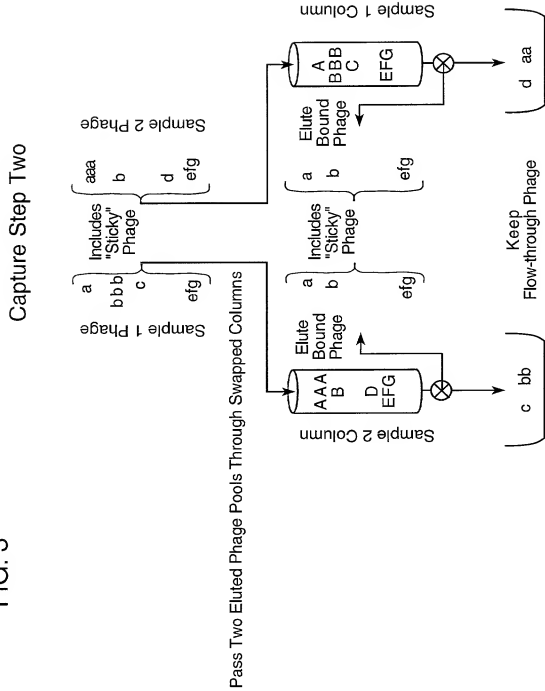


FIG. 4

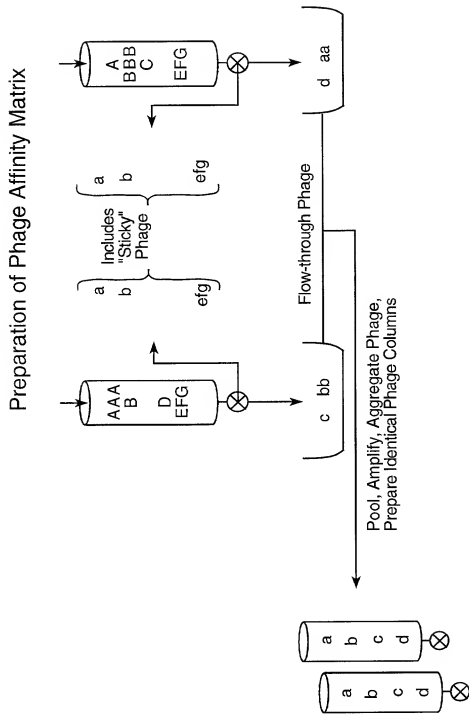


FIG. 5

Capture Step Three

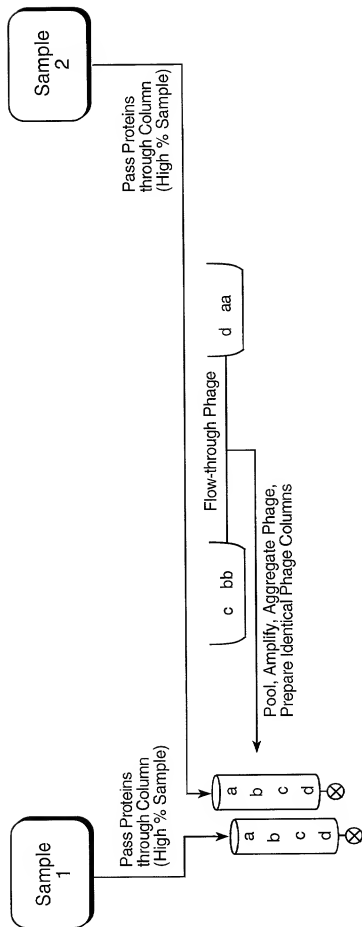


FIG. 6

Quantitation and Identification of Difference Proteins

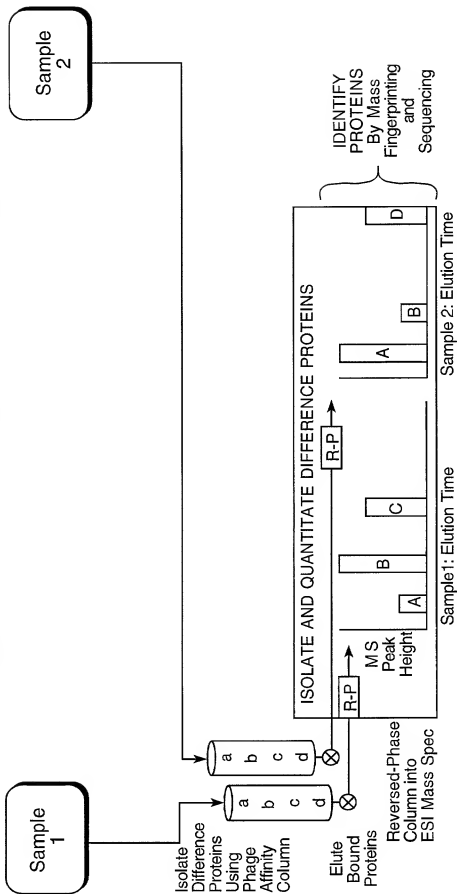


FIG. 7

Affinity Reagents Against Difference Proteins

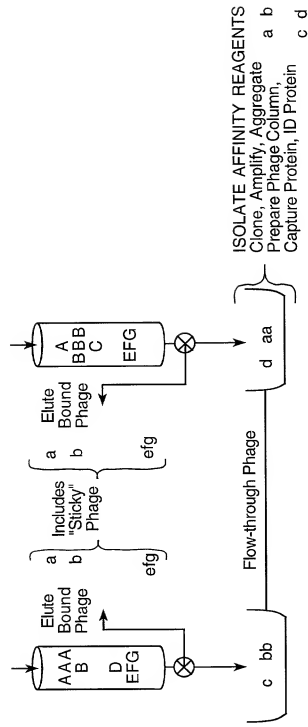


FIG. 8

Depletion of Most Abundant Proteins

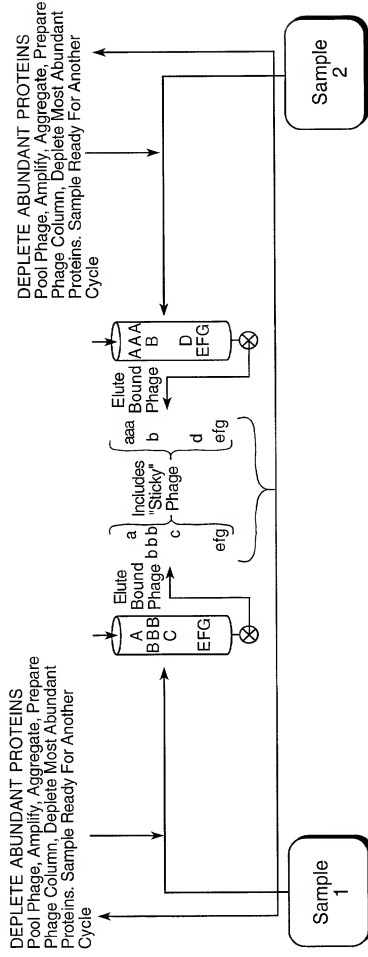
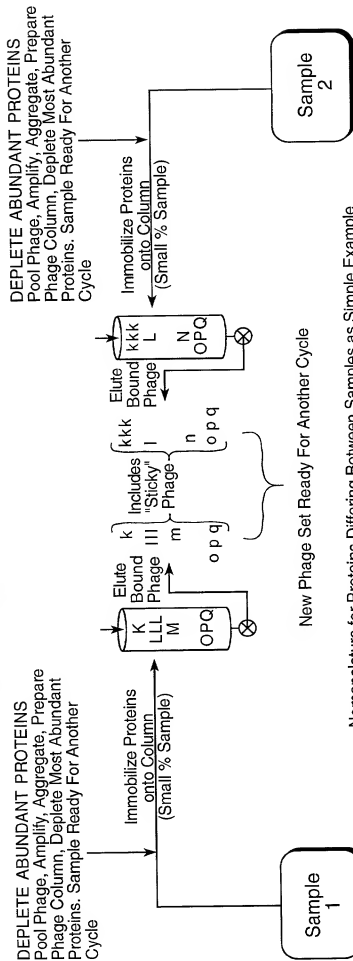


FIG. 9

New Cycle With Less Abundant Proteins



Nomenclature for Proteins Differing Between Samples as Simple Example

Protein In Sample 2	Sample 1	Sample 2
Higher Level	K	KKK
Lower Level	LLL	L
Not Present	M	None
Novel Species	None	N
Same Level	OPQ	OPQ
Not Present in Either Sample	HIJ Absent	HIJ Absent

Upper Case Letter is Protein, eg "K"

Lower Case Letter is Phage which binds to corresponding protein, eg "k"

Differential Phage Capture Proteomics Summary

DEPLETED ABUNDANT PROTEINS

Pool Phase, Amplify, Aggregate, Prepare
Phase Column, Deplete Most Abundant
Proteins. Sample Ready For Another

DEplete ABundant Proteins
Pool Phage, Amplify, Aggregate, Prepare
Phage Column, Deplete Most Abundant
Proteins. Sample Ready For Another
Cycle

